

# Plenary Session – Breakout Session Summaries

Moderator: Dr. James O'Brien

Natural Phenomena Hazards

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# Vulnerabilities

- ▶ What are the criteria for determining significant new data, models, or methods?
- ▶ Are the probabilities and consequences of NPH accident analyses on par with other accident analyses, or do we need to revisit NPH performance goals?
- ▶ Earthquakes and other NPH should be considered site-wide accidents
- ▶ Need to consider cascading events

# Additional Actions/Path Forward



- ▶ In the new STD-1020, cite or amplify, the ANS-2.29 criteria on deciding whether an existing seismic study is adequate or whether an updated assessment is necessary.
- ▶ In DOE Order 420.1C, ensure the wording is clear that an NPH assessment review should be done either after 10 years or when significant new data, models, or methods are available.
- ▶ Need more consideration of cascading events; site-wide cumulative impacts from NPH